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Approved for use through 07/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE anerwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Application Number 10/728803 TRANSMITTAL Filing Date 8 December 2003 First Named Inventor FORM Kia Silverbrook Art I Init 2853 CHANEN Examiner Name Geoffrey Mruk (to be used for all correspondence after initial filing) Attorney Docket Number MTR12US Total Number of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance Communication to TC Fee Transmittal Form Drawing(s) Appeal Communication to Board Licensing-related Papers Fee Attached of Appeals and Interferences 1 Appeal Communication to TC Petition Amendment/Reply (Appeal Notice, Brief, Reply Brief) Petition to Convert to a Proprietary Information After Final Provisional Application Power of Attorney, Revocation Affidavits/declaration(s) Status Letter Change of Correspondence Address Other Enclosure(s) (please Identify Terminal Disclaimer Extension of Time Request below): Original Return Receipt Postcard Request for Refund Express Abandonment Request CD, Number of CD(s) Information Disclosure Statement Landscape Table on CD Certified Copy of Priority Remarks Document(s) Email: kia.silverbrook@silverbrookresearch.com Reply to Missing Parts/ Telephone: 61-2-9818 6633 Incomplete Application Facsimile: 61-2-9555 7762 Reply to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Name Signature Printed name Kia Silverbrook Date Reg. No. May 1, 2007 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: Signature

This collection of information is required by 37 CER 1.5. The information is required to obtain or retain a benefit by the public which is to life (and by the USPTO to process) an application. Confidentiality is governed by 38 U.S. C. 122 and 37 CER 1.1 and 1.1.4. This II.1 and 1.1.4. This required to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chifformation Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandrie, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandrie, VA 22313-1450.

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Date



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ADDITIONAL SECURITY FEATURES

Invisible Flüorescence → Thermochromic link → Micro Printing → Fine line security patterns

USSN 10/728803 Our docket no: TITB/2US



Serial Number:

10/728803

Application. Filed:

December 8, 2003

Applicant:

Kia Silverbrook

Application Title:

THERMAL INK JET PRINTHEAD WITH LOW RESISTANCE

ELECTRODES FOR HEATERS

Examiner/GAU:

Geoffrey Mruk

2853

Dated

May 1, 2007

At: Docket No. Balmain, NSW MTB12US

PETITION TO WITHDRAW ABANDONMENT

(UNDER 37 CFR 1.181(a))

Commissioner for Patents Washington, District of Columbia 20231

Dear Sir:

In response to the Notice of Abandonment we hereby lodge a petition to WITHDRAW HOLDING OF ABANDONMENT.

The Notice of Abandonment states that a reply to the Office Action mailed on October 13, 2006 was not received by the USPTO. We confirm that the reply was sent in response to the Office Action mailed on October 26, 2006. We therefore petition the commissioner to WITHDRAW HOLDING OF ABANDONMENT on this application.

The Applicant encloses:

- A copy of the Transaction History from PAIR, showing the following entry:
- "Workflow Request for RCE Begin" dated October 30, 2006.
- The original return receipt postcard confirming that the response (RCE including IDS and cheque) was received by the USPTO on November 7, 2006;
- A copy of the response sent (RCE including IDS and cheque).

The Applicant submits that the response to the Office Action mailed October 13, 2006 was sent to and received by the USPTO, and respectfully requests favourable consideration of this petition.

Very respectfully,

Applicant:

Kia Silverbrook

C/o:

Silverbrook Research Ptv Ltd

393 Darling Street

Balmain NSW 2041, Australia

Email:

kia.silverbrook@silverbrookresearch.com

Telephone:

+612 9818 6633 +61 2 9555 7762

Facsimile:

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04-30-2007::18:47:17

Transac	tion	His	tory

Transactio	on History	
Date	Transaction Description	
03-30-2007	Mail Abandonment for Failure to Respond to Office Action	
03-28-2007	Abandonment for Failure to Respond to Office Action	
10-30-2006	Workflow - Request for RCE - Begin	
10-13-2006	Mail Advisory Action (PTOL - 303)	
10-11-2006	Advisory Action (PTOL-303)	
10-04-2006	Date Forwarded to Examiner	
10-02-2006	Amendment after Final Rejection	
08-22-2006	Mail Final Rejection (PTOL - 326)	
08-19-2006	Final Rejection	
06-16-2006	Date Forwarded to Examiner	
06-08-2006	Response after Non-Final Action	
04-04-2006	Mail Non-Final Rejection	
03-31-2006	Non-Final Rejection	
01-23-2006	Information Disclosure Statement considered	
12-16-2004	Information Disclosure Statement considered	
01-30-2006	Date Forwarded to Examiner	
01-23-2006	Response to Election / Restriction Filed	
01-23-2006	Information Disclosure Statement (IDS) Filed	
01-23-2006	Request for Extension of Time - Granted	
12-01-2005	Mail Restriction Requirement	
11-28-2005	Requirement for Restriction / Election	
06-28-2005	Case Docketed to Examiner in GAU	
12-16-2004	Reference capture on IDS	
12-16-2004	Information Disclosure Statement (IDS) Filed	
06-14-2004	Case Docketed to Examiner in GAU	
04-20-2004	IFW TSS Processing by Tech Center Complete	
04-20-2004	Case Docketed to Examiner in GAU	
01-20-2004	Application Return from OIPE	
01-20-2004	Application Return TO OIPE	
01-16-2004	Application Return from OIPE	
01-16-2004	Application Return TO OIPE	
01-16-2004	Application Dispatched from OIPE	
01-20-2004	Application Is Now Complete	
01-12-2004	Cleared by OIPE CSR	
12-27-2003	IFW Scan & PACR Auto Security Review	
12-08-2003	Initial Exam Team nn	

Close Window





PTO/SB/30 (04-05)

Linder the Research Services	App U.S. Patent and Trade	proved for use through 07/31/2006, OMB 0651-0031 pmark Office; U.S. DEPARTMENT OF COMMERCE				
Under the Paperwork Reduction Act of 1995, no persons are requir	red to respond to a collection of informa-	ation unless it contains a valid OMB control number.				
Request for	Application Number	10/728803				
Continued Examination (RCE)	Filing Date	8 December 2003				
Transmittal	First Named Inventor	Kia Silverbrook				
Address to: Mail Stop RCE	Art Unit	2853				
Commissioner for Patents P.O. Box 1450	Examiner Name	Geoffrey Mruk				
Alexandria, VA 22313-1450		MTB12US				
This is a Request for Continued Examination (DOS)	Attorney Docket Number					
This is a Request for Continued Examination (RCE) u Request for Continued Examination (RCE) practice under 37 CF 1995, or to any design application. See Instruction Sheet for RCI	Es (not to be submitted to the USI	ity or plant application filed prior to June 8,				
 <u>Submission required under 37 CFR 1.114</u>) Not amendments enclosed with the RCE will be entered in the applicant does not wish to have any previously filed unent amendment(s). 	e: If the RCE is proper, any previo e order in which they were filed un ered amendment(s) entered, appl	usly filed unentered amendments and less applicant instructs otherwise. If icant must request non-entry of such				
 Previously submitted. If a final Office action is o considered as a submission even if this box is r 	outstanding, any amendments filed not checked.	after the final Office action may be				
i. Consider the arguments in the Appeal Bri	ef or Reply Brief previously filed o	n				
li Other						
b. 🗹 Enclosed						
i Amendment/Reply	iii. 🗸 Information	Disclosure Statement (IDS)				
ii Affidavit(s)/ Declaration(s)	iv. Other					
2. Miscellaneous						
Suspension of action on the above-identified ap	oplication is requested under 37 C	FR 1.103(c) for a				
a period of months. (Period of suspension b Other	n shall not exceed 3 months; Fee und	er 37 CFR 1.17(i) required)				
The RCE fee under 37 CFR 1.17(e) is required The Director is hereby authorized to charge the Deposit Account No	following food any undan-					
i. RCE fee required under 37 CFR 1.17(e)						
ii. Extension of time fee (37 CFR 1.136 and 1.1	7)					
iii. Other						
b. Check in the amount of \$ 970.00	enclosed					
2. Dayment by credit daild (Furni FTO-2036 enclosed)					
WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.						
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED						
organization	Date	October 26, 2006				
		tration No.				
CERTIFICATE OF MAILING OR TRANSMISSION						
hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope of the state of the state of the service with sufficient postage as first class mail in an envelope of the state of the st						
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This collection of information is required by 37 CFR 1.114. The information	Date					

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Substitute for form 1449/PTO

Sheet 1

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)

Complete if Known Application Number 10/728 803 Filing Date December 8, 2003 First Named Inventor Kia Silverbrook Art Unit 2853 Examiner Name Geoffrey S. Mruk Attorney Docket Number MTB12US

Examiner	Cite	Document Number	U. S. PATENT D		
Initials*	No.1	Number-Kind Code ^{2 (Fanouri)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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USPTO Patent Documents and born with next communication to applicant. "Applicant's unique citation designation number (optional). "See Kinds Code of Japanese patent documents, the "LUSIBLE DOC of MPEP 90 104." Finer Office that issued the document, by the two-letter code (MPIPO Standard ST.3). For the appropriate symbols as indicated on the document mader WIPO Standard ST.0 if of Document by Translation is attached.

Trial section of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the This collection of information is required by 37 CFR 1,97 and 1,98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO) processors) an application. Confidentiality is governed by 35 U.S. C. 123 and 37 CFR 1.14. This collection is estimated to takes, and the property of the public which is to file (and by the USPTO). Time will vary depending upon the individual above a complete, and the amount of an experience of the property of the USPTO. Time will vary depending upon the individual above to the amount of the property of the USPTO. Time will vary depending upon the individual above to the Confidence of the USPTO. Time will vary depending upon the individual above to the Chief Information Officer, U.S. Patent TO; Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1452.

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PATENT ABSTRACTS OF JAPAN

(11)Publication number:

2002-210951

(43)Date of publication of application: 31.07.2002

(51)Int.Cl.

B41J 2/015

B41J 2/16

B81B 3/00

(21)Application number: 2001-355056 (71)Applicant: EASTMAN KODAK CO

(22)Date of filing:

20.11.2001

(72)Inventor: JARROLD GREGORY S

LEBENS JOHN A

(30)Priority

Priority number : 2000 726945

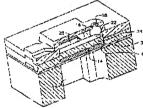
Priority date: 30.11.2000

Priority country: US

(54) THERMAL ACTUATOR



PROBLEM TO BE SOLVED: To provide a thermal actuator for a micro mechanical device having an actuator beam improved in the degree of motion.



SOLUTION: The thermal actuator is taught for the micro electromechanical device. The thermal actuator has a base element, and a cantilevered element extending from the base element and normally present at a first position. The cantilevered element includes a first layer formed of a dielectric material having a low thermal coefficient of expansion, and a second layer attached to the first layer and comprising an intermetallic compound of titanium aluminide. A pair of electrodes are connected to the second layer so as to raise the temperature of the second layer by flowing a current to the second layer. The cantilevered element is displaced to a second

position as a result of the temperature rise of the second layer, and returns to the first position when the current flowing to the second layer stops and the temperature of the second layer decreases. The thermal actuator has a specific application in an ink jet device in which a series of the ink jet devices form an ink jet printing head.

LEGAL STATUS

[Date of request for examination]

21.10.2004



PATENT ABSTRACTS OF JAPAN

(11)Publication number:

07-060955

(43)Date of publication of application: 07.03.1995

(51)Int.Cl.

B41J 2/01

B41J 2/175

(21)Application number: 05-214031

(71)Applicant: CANON INC

(22)Date of filing: 30.08.1993

(72)Inventor: ASAI AKIRA

(54) INK JET RECORDING HEAD AND INK JET RECORDER EQUIPPED WITH THE RECORDING HEAD

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$$i(r) = \frac{1}{Ard(r)}$$

(57) Abstract:

PURPOSE: To obtain a recording head having a novel heating element wherein heating

 $a(r) = i(r)^2 o d(r)$

distribution on a surface of a resistor is equalized and its recorder by a method wherein a heating resistor has a heating part of an approximately circularly annular or fan-like annular surface shape, and its thickness is varied inversely proportional to a distance in a radial direction from a central point of the surface shape. CONSTITUTION: When voltage is impressed by making a current (I) flow radially along a radial

 $q(r) = \frac{I^2 \rho}{\rho^2 r^2 d(r)}$

direction of a heating resistor, a thickness d (r) of a heating part of the heating resistor is varied inversely proportional to a radial distance (r) from a center of a surface shape. Thereby, a current density i (r) at any point on the heating part at a radial distance (r) apart from the center comes to be as given by the formula (f). In the formula θ is an angle of a fan-like annulus $(2\pi$ in

the case of a circular annulus). Relation between 'the resistivity (ρ) of the resistor and a heating value q(r) per unit time unit area is as given by the formula II. Therefore, the formula III is obtained.

LEGAL STATUS

[Date of request for examination] 30.06.1999 [Patent number] 3157964

[Date of registration] 09.02.2001